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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/586,413 | 07/19/2006 | Kunihiro Mishima | SEY-06-1193 | 3130 |

35811 7590 04/27/2011
IP GROUP OF DLA PIPER LLP (US)
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| EXAMINER |
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DONDERO, WILLIAM E

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| ART UNIT | PAPER NUMBER |
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3654

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| NOTIFICATION DATE | DELIVERY MODE |
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04/27/2011

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

pto.phil@dlapiper.com

| | | | |
|------------------------------|---------------------------------------|---------------------------------------|--|
| Office Action Summary | Application No. 10/586,413 | Applicant(s) MISHIMA ET AL. | |
| | Examiner WILLIAM E. DONDERO | Art Unit 3654 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 March 2011.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4,5,7 and 8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4,5,7 and 8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 March 2009 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Drafts, Person's Patent Drawing, Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Continued Examination Under 37 CFR 1.114

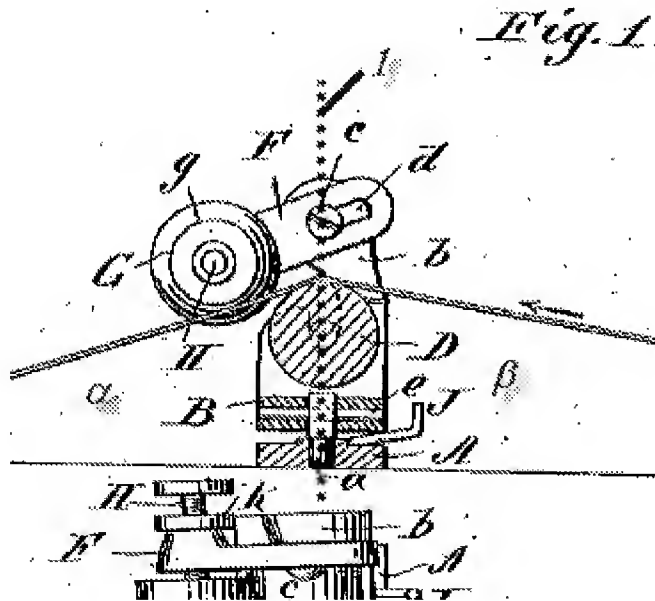
A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on February 28, 2011 has been entered.

Claim Rejections - 35 USC § 102

Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Albey (US-0270718). Regarding Claim 1, Albey disclose an elongate material path guide capable of guiding yarn comprising a guide roll *D*; and a supporting member *B* that supports the guide roll, the supporting member having a rotating shaft *a* at a position twisted at a right angle to a rotating shaft (shown but not numbered at the center of *D*) of the guide roll, and wherein a fiber bundle is capable of being guided automatically in an original elongate material (or yarn) path direction by inclining the guide roll with respect to the elongate material (or yarn) path when the guide roll is rotating around the

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rotating shaft of the supporting member in response to variation of the elongate material (or yarn) path, when an angle between the rotating shaft of the supporting member and the original elongate material (or yarn) path enter the guide roll is α (α is approximately 45°) and an angle between the rotating shaft of the supporting member and the original yarn path coming out of the guide roll is β (β is just short of 90°), and the elongate material (or yarn) is capable of being set up so that α and β have the relation $\alpha \geq 45^\circ$, $\alpha < \beta$, and $\alpha + \beta < 180^\circ$ (Figure below and Figures 1-3).



Regarding Claim 2, Albey disclose an axis 1 of the rotating shaft of the supporting member crosses the original yarn path at one portion (Figure above and Figures 1-3).

Claim Rejections - 35 USC § 103

Claims 4-5 and 7-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nojiri et al. (US-5499776) in view of Albey (US-0270718). Regarding Claim 4, Nojiri et al. discloses a manufacturing apparatus 1,2,3,4 of a fiber bundle package P comprising yarn path guides 2₁,2₂,2₃,2₄,2_e (Figures 1-8). Nojiri et al. does not expressly disclose the yarn path guide of Claim 1.

However, as advanced above, Albey teaches the yarn path guide of Claim 1 (Figure above and Figures 1-3). Because both Albey and Nojiri et al. teach yarn path guides, it would have been obvious to one of ordinary skill in the art at the time of the invention to substitute the yarn path guide of Albey for the yarn path guide of Nojiri et al. to achieve the predictable result of guiding the yarn as taught by Nojiri et al. and to maintain the alignment of the yarn as taught by Albey.

Regarding Claim 5, Nojiri et al. disclose a method of manufacturing the fiber bundle package of Claim 4 comprising supplying a fiber bundle F to the yarn path guide (Figures 1-8).

Regarding Claims 7-8, Nojiri et al. disclose a fiber bundle traversing device comprising a traverse guide 2 capable of guiding the fiber bundle F and a traverse mechanism 6,7,8 of the traverse guide, capable of traversing the fiber bundle by reciprocating the traverse guide in the direction of a bobbin rotating shaft 3 by the traverse mechanism, wherein the traverse guide has yarn path guides 2₁,2₂,2₃,2₄,2_e capable of guiding the fiber bundle. Nojiri et al. does not expressly disclose the yarn

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path guide of Claim 1 wherein the rotating shaft of the supporting member crosses the center of the yarn path.

However, as advanced above, Albey teaches the yarn path guide of Claim 1 wherein an axis 1 of the rotating shaft of the supporting member crosses the center of the yarn path (see rejection of Claim 2) (Figure above and Figures 1-3). Because both Albey and Nojiri et al. teach yarn path guides, it would have been obvious to one of ordinary skill in the art at the time of the invention to substitute the yarn path guide of Albey for the yarn path guide of Nojiri et al. to achieve the predictable result of guiding the yarn as taught by Nojiri et al. and to maintain the alignment of the yarn as taught by Albey.

Response to Arguments

With respect to Applicant's arguments starting on page 3, line 12 to page 5, line 2, Applicant argues Swanke and Nojiri, alone or in combination do not disclose or suggest the angle $\alpha \geq 45^\circ$. Applicant's arguments with respect to claims 1-2, 4-5, and 7-8 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to WILLIAM E. DONDERO whose telephone number is (571)272-5590. The examiner can normally be reached on M - F 7 AM - 4:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael R. Mansen can be reached on 571-272-6608. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/WILLIAM E DONDERO/
Primary Examiner, Art Unit 3654